

# **FIG. 1**

## **THE PRACTICE OF SURGICAL PATHOLOGY Conventional Pathway From Surgery to Tissue Diagnosis**

### **DAY 1**

**Surgery → "grossing" → batching of specimens → batched specimens input into processor → overnight processing**

### **DAY 2**

**Batched specimens output from processor → block → microtomy → H&E stain → diagnosis**

**INTERVAL OF TIME FROM SURGERY TO  
DIAGNOSIS:>22 HOURS**

# **FIG. 2**

## **THE PRACTICE OF SURGICAL PATHOLOGY**

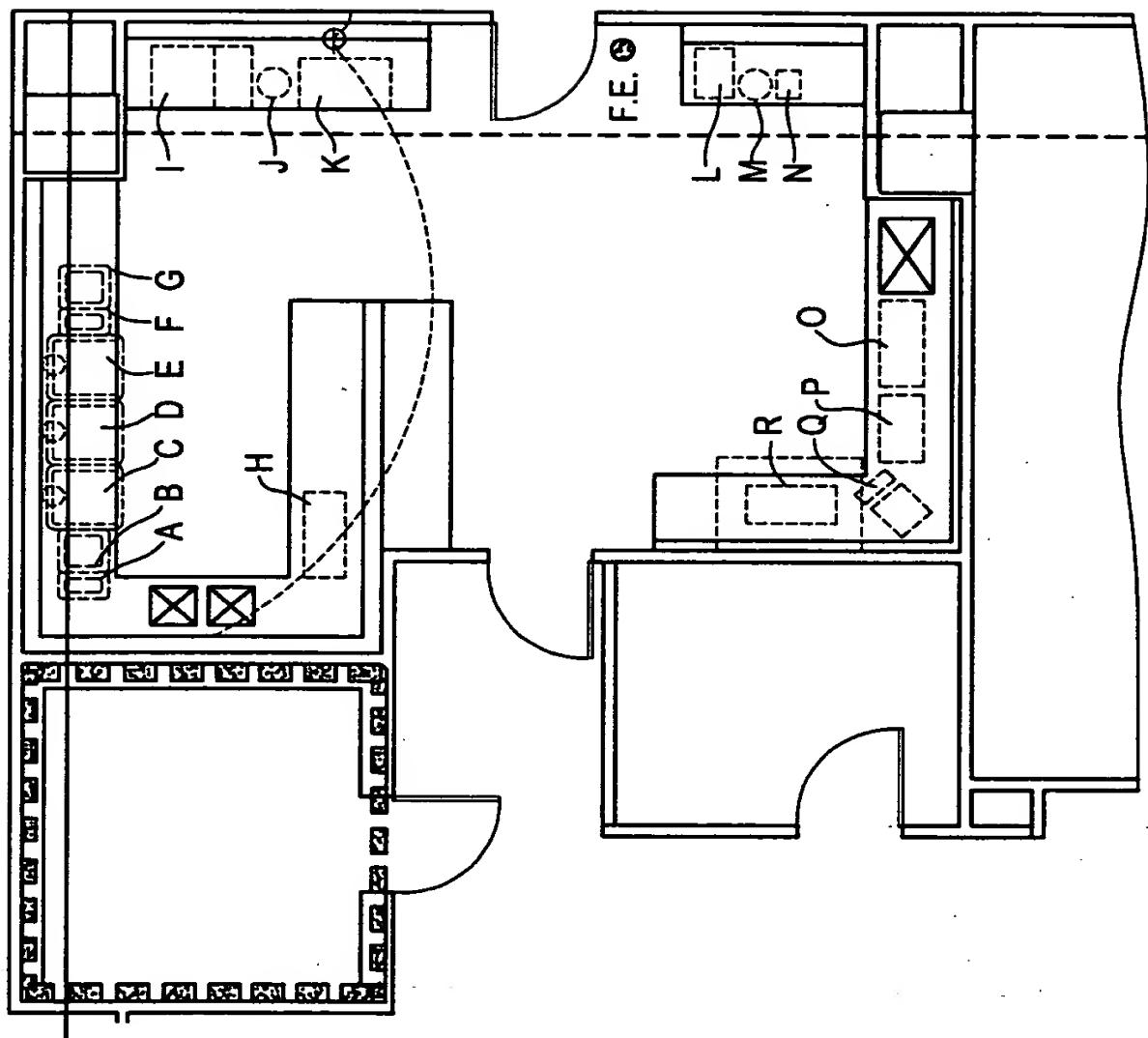
### **Continuous Throughput Method-Pathway From Surgery to Tissue Diagnosis**

#### **DAY 1**

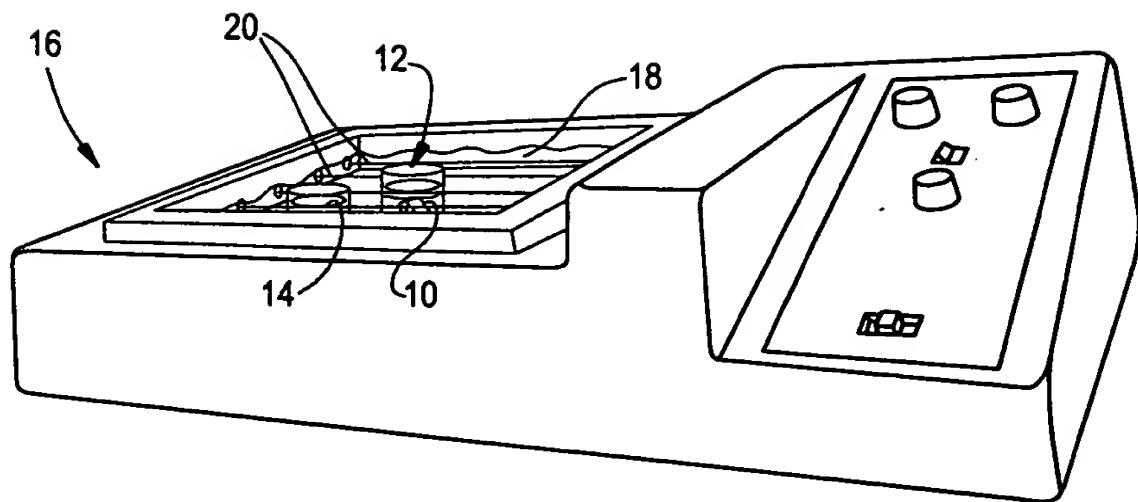
Surgery → "grossing" → continuous every 15 min specimens input into 45 min processing system → continuous every 15 min output of specimens from system → block → microtomy → H&E stain → diagnosis

**INTERVAL OF TIME FROM SURGERY TO  
DIAGNOSIS:<2 HOURS**

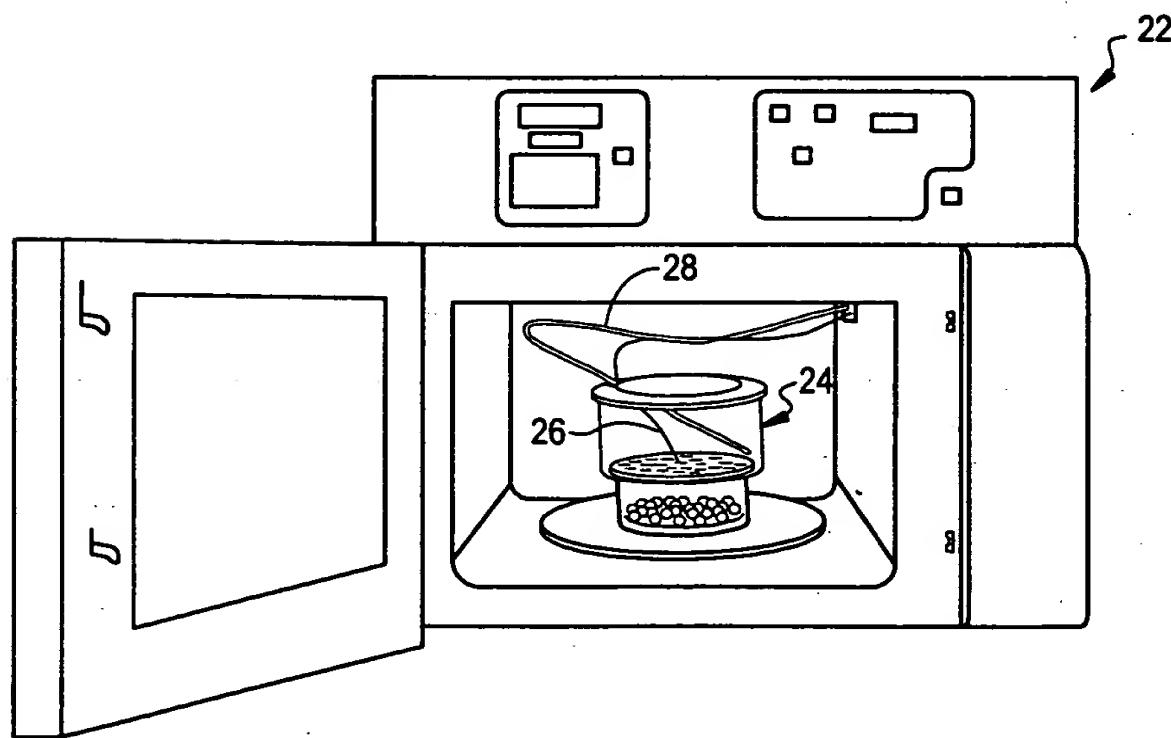
**FIG. 3**



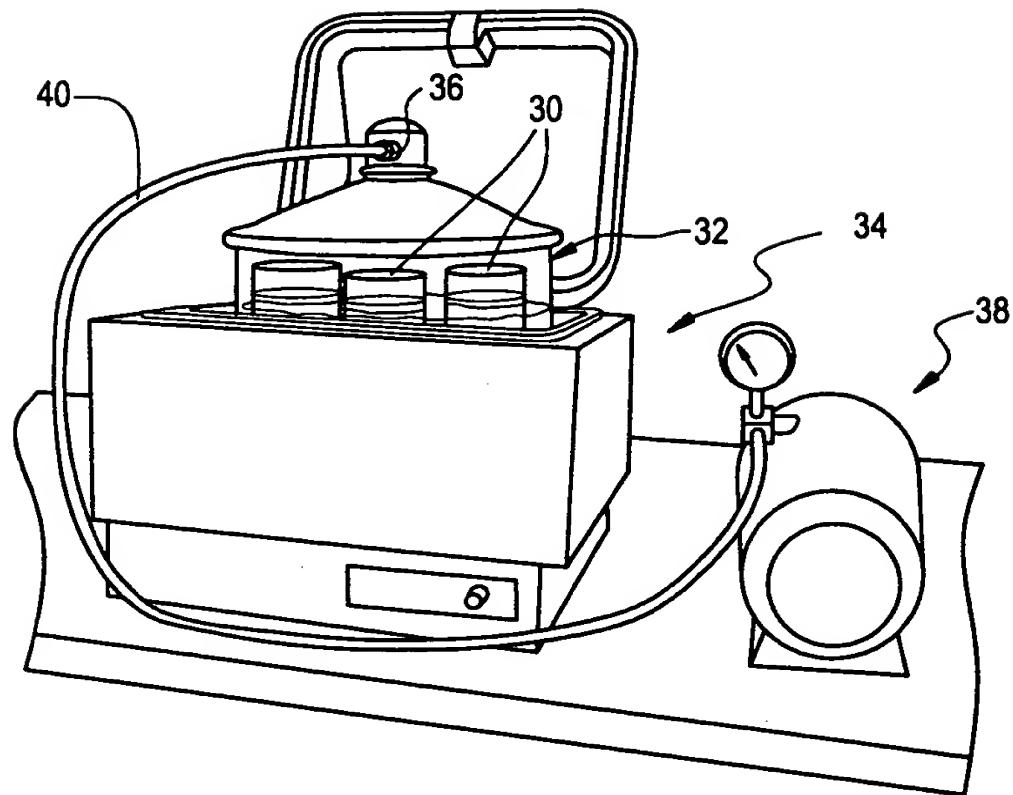
**FIG. 4**



**FIG. 5**

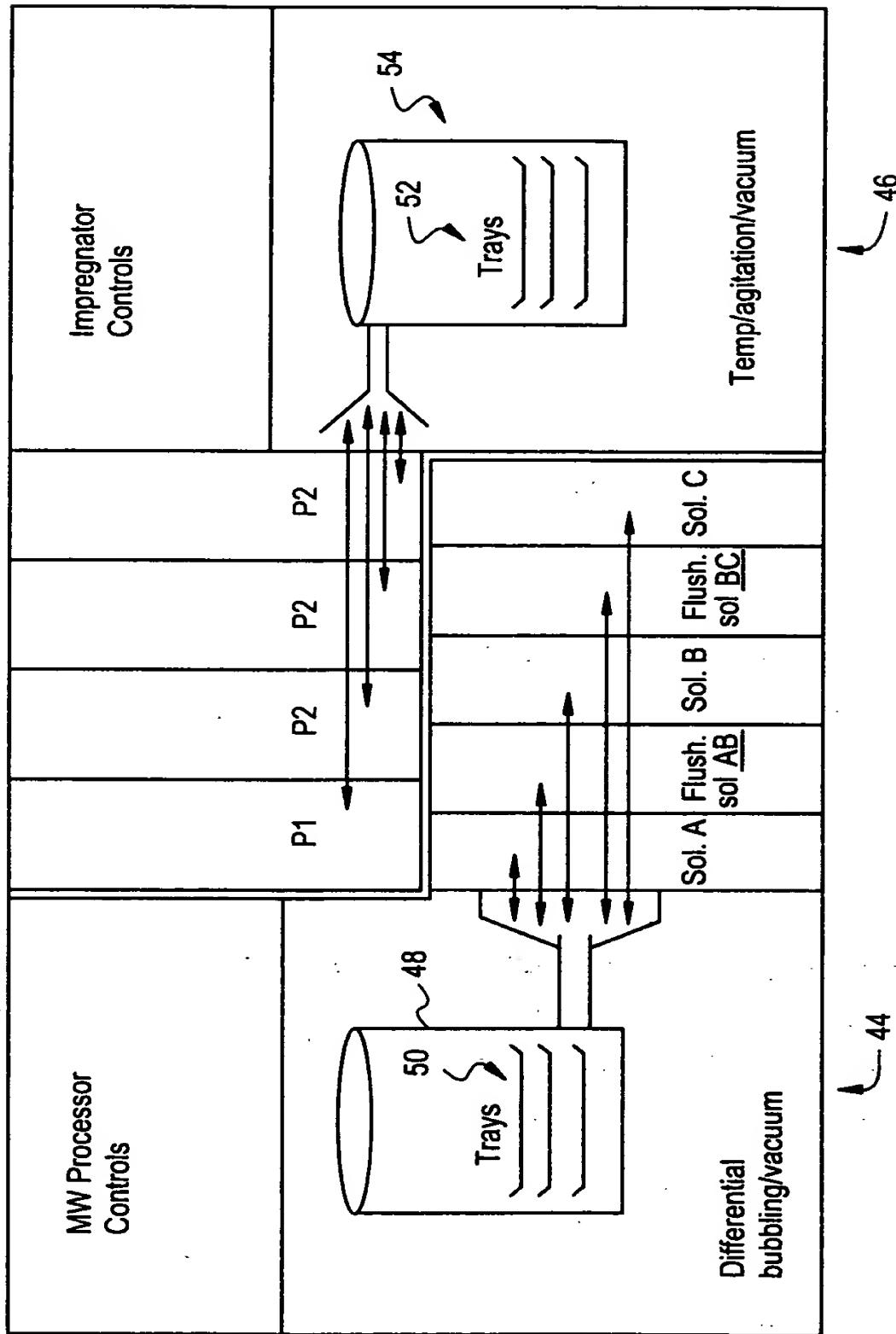


**FIG. 6**



**FIG. 7**

42



46

Temp/agitation/vacuum

Sol. C  
Flush.  
sol BC

Differential  
bubbling/vacuum

Sol. B  
Flush.  
sol AB

Sol. A

54

Trays

48

Trays

Impregnator  
Controls

MW Processor  
Controls

Temp/agitation/vacuum

Sol. C  
Flush.  
sol BC

Differential  
bubbling/vacuum

Sol. B  
Flush.  
sol AB

Sol. A

54

Trays

48

Trays

Impregnator  
Controls

MW Processor  
Controls

Fig 8 A

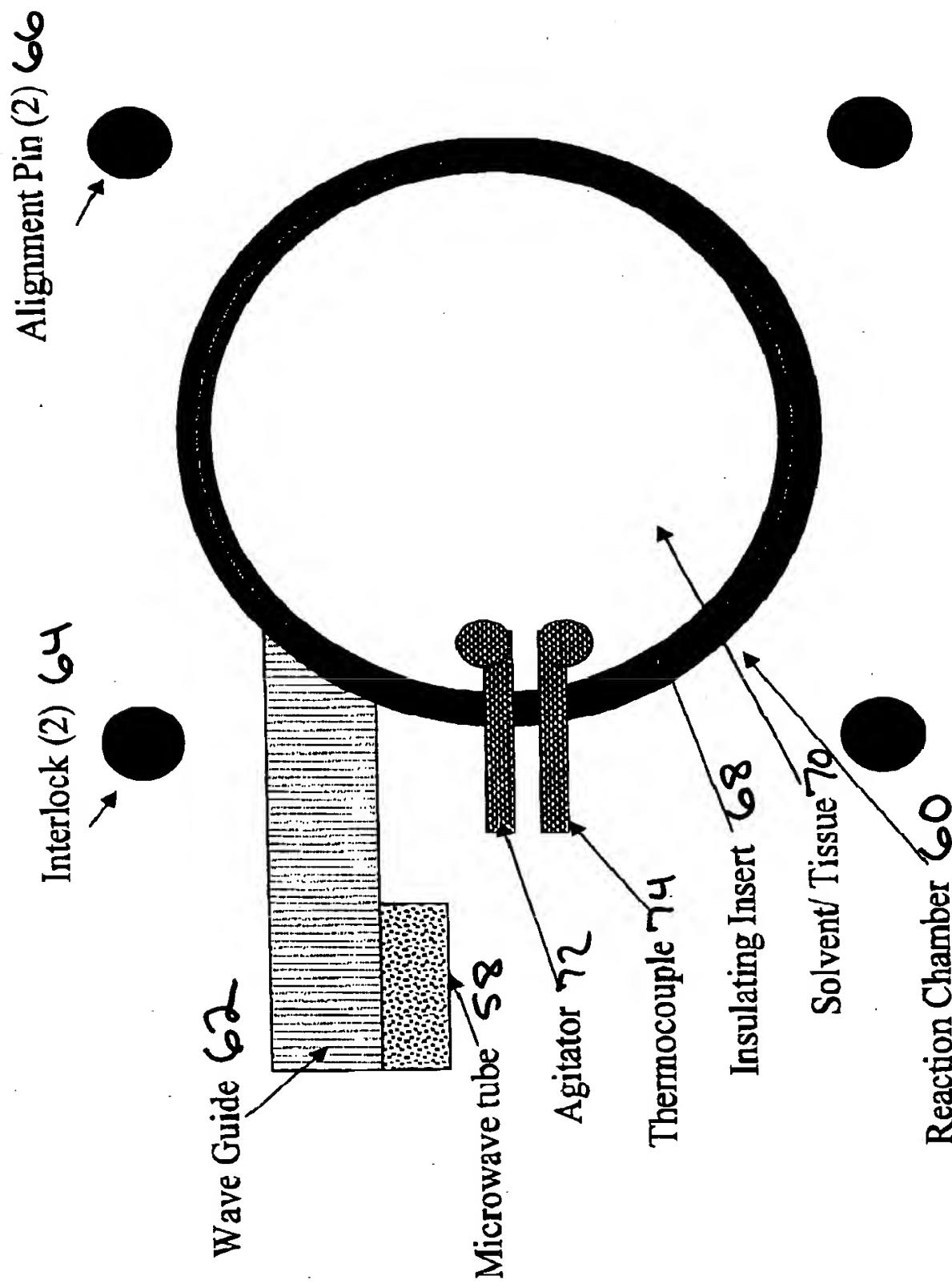
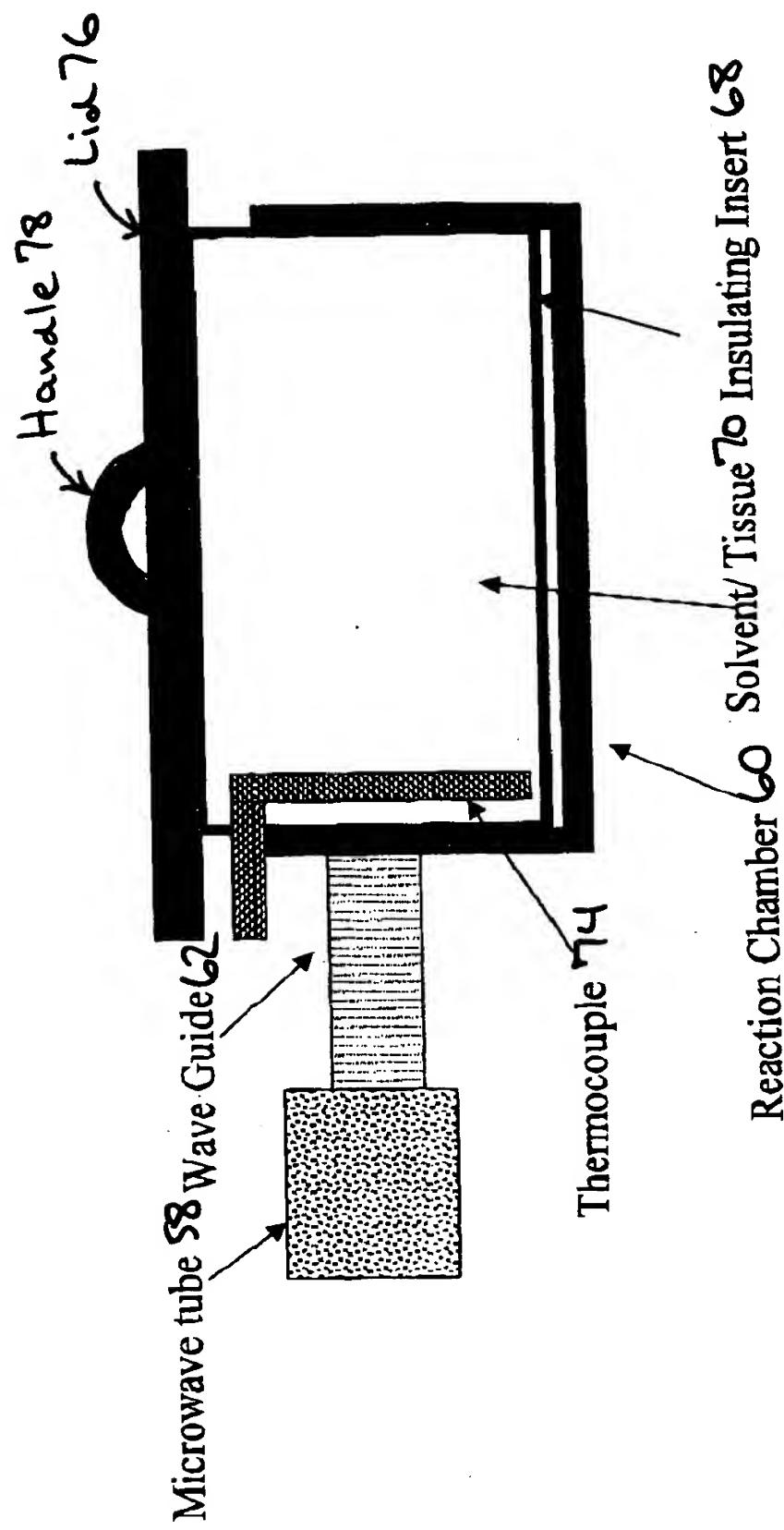
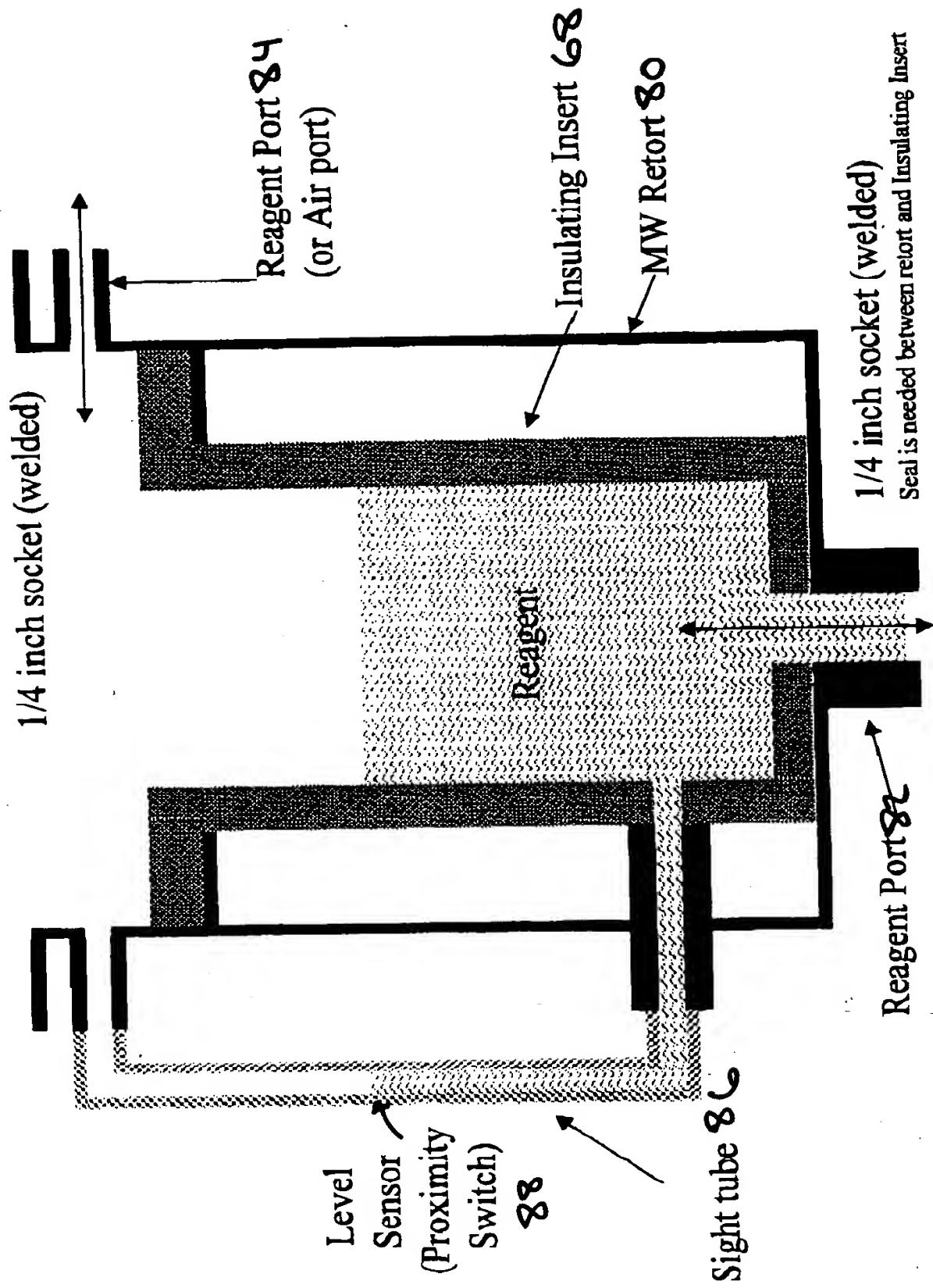


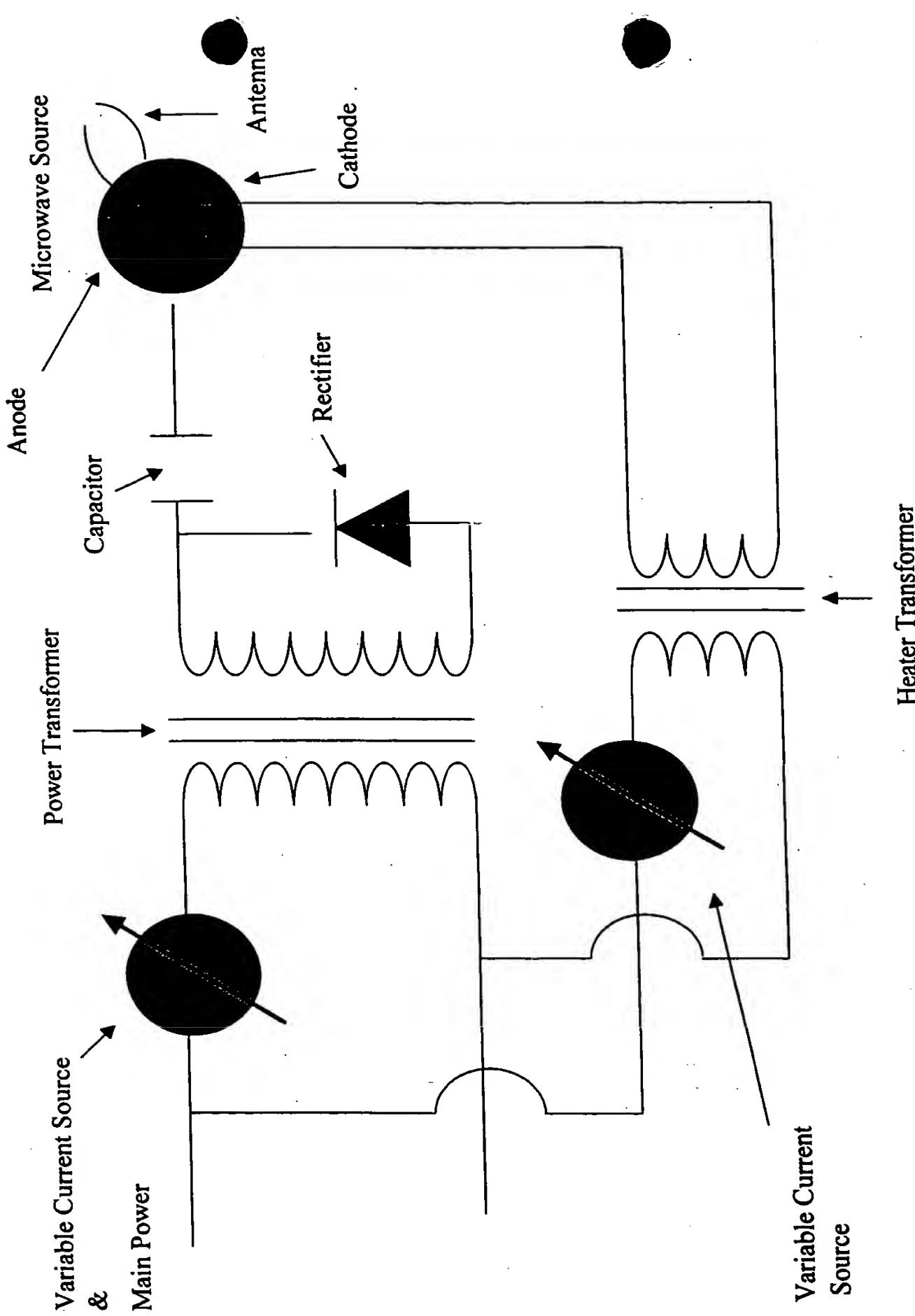
Fig 8 B



**Fig 8 C**



**Fig 9**



**Fig 10**

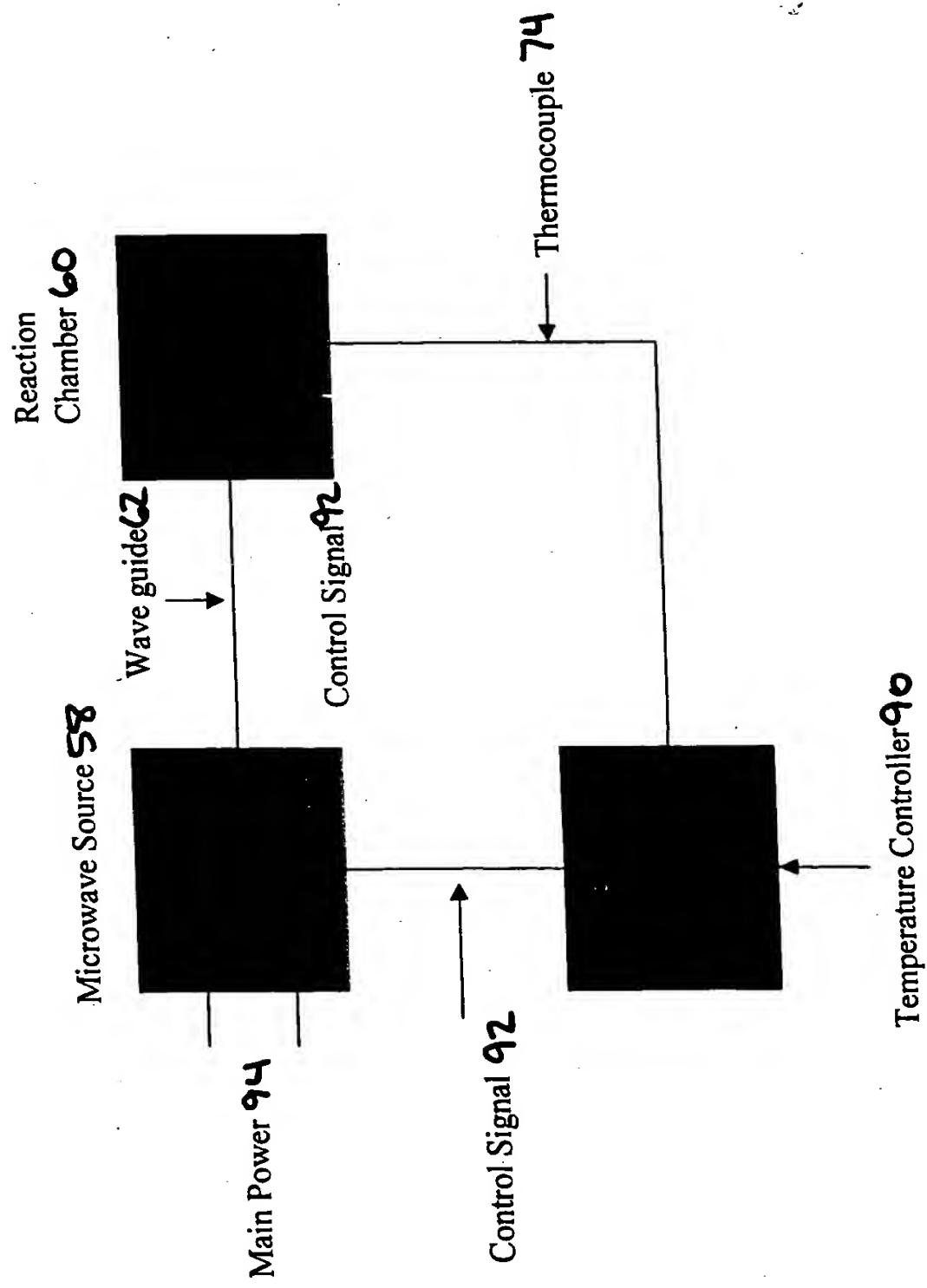
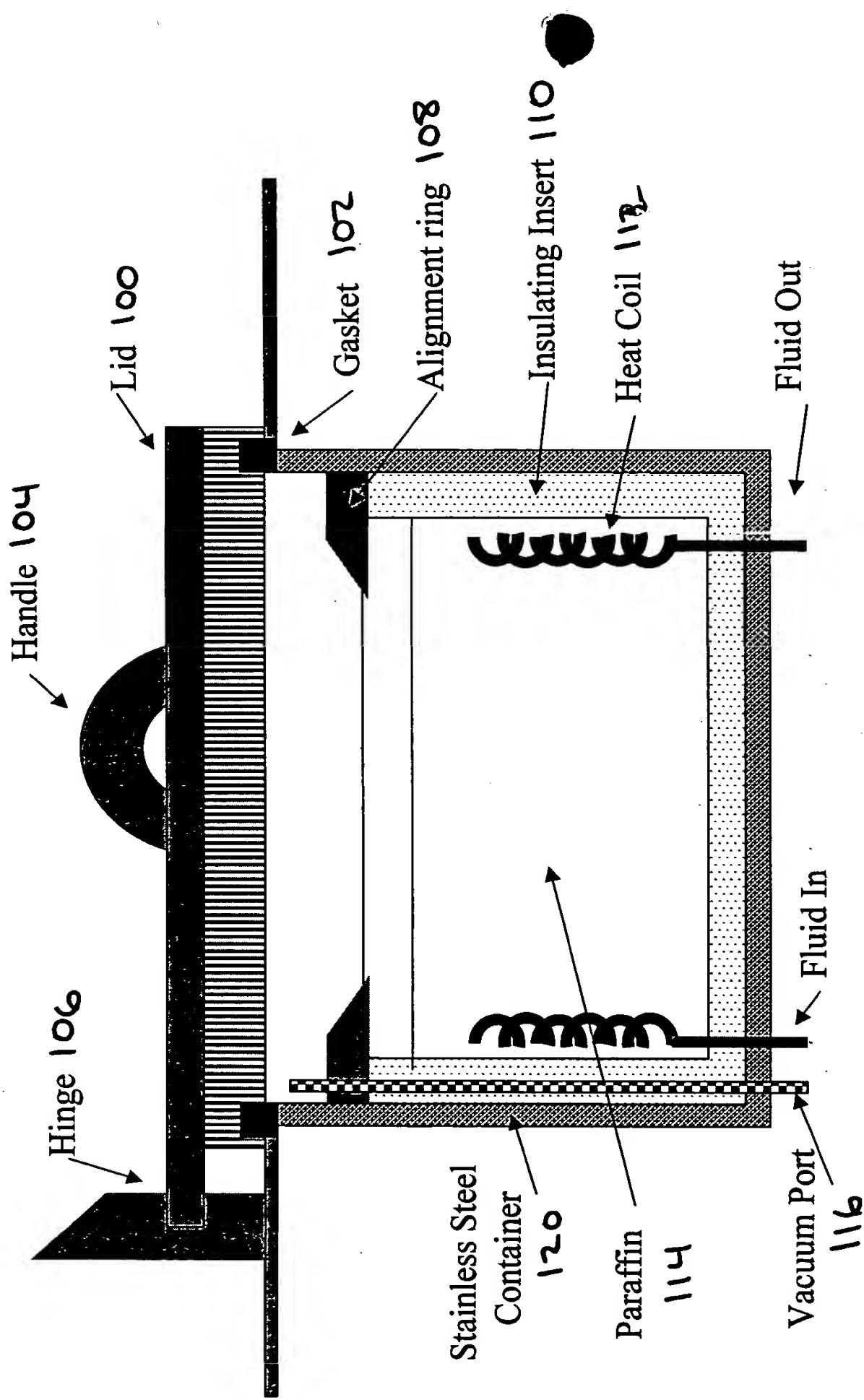
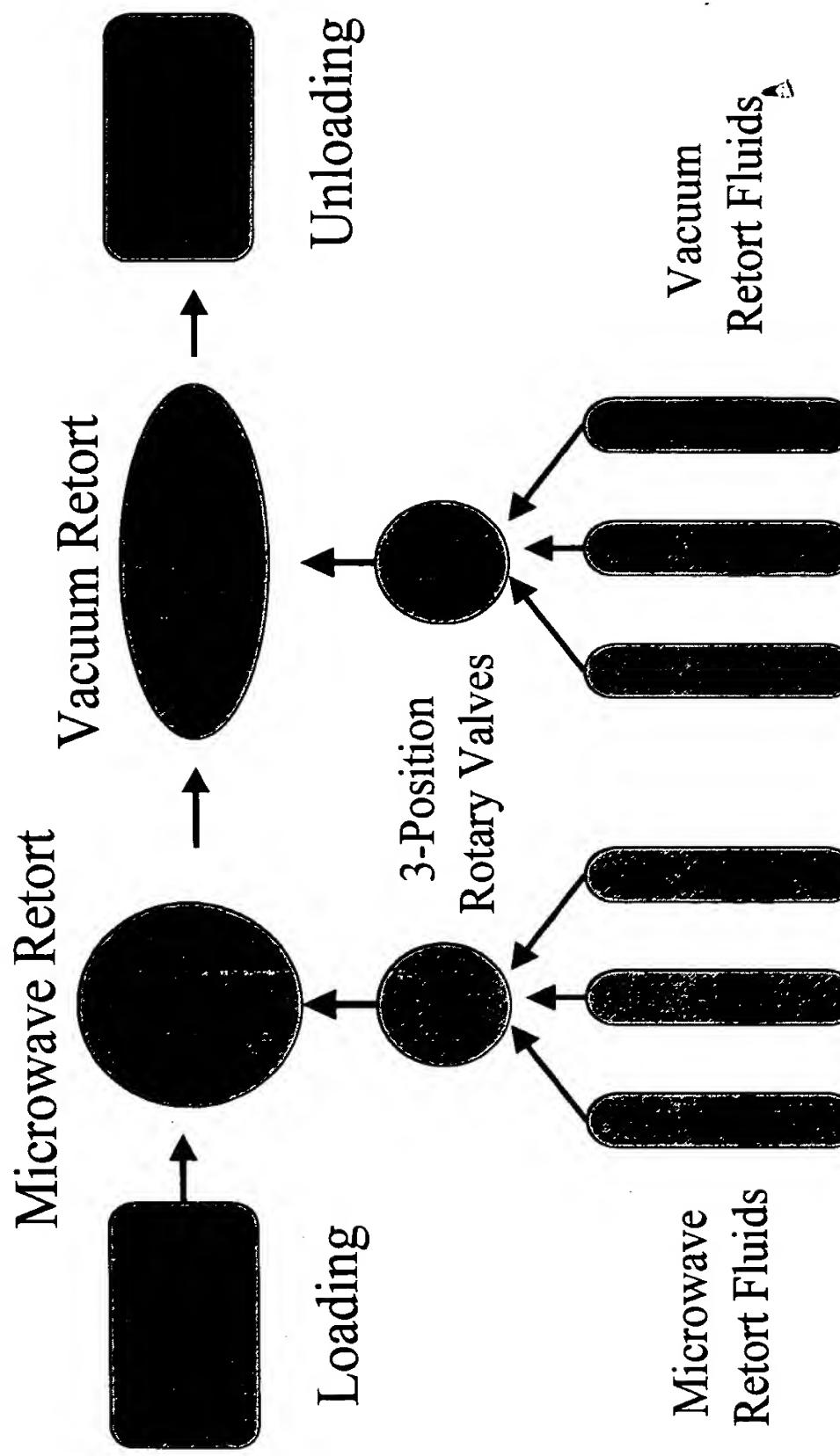


Fig 11  
Impregnation Station



**Fig 12**



**Fig 13**

